METHOD FOR PRESENTING MULTIMEDIA MESSAGES

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to a multimedia messaging service (referred to, hereinafter, as 'MMS') and, more particularly, to a method for presenting a multimedia message.

[0003] 2. Description of the Related Art

[0004] When a communications system for the Internet or for mobile communications transmits a multimedia message, each item of multimedia data (audio, video, text, etc.) is separately transmitted, and in this case, each item cannot cooperate with one another without performing detailed programming (e.g., SMIL: Synchronized Multimedia Integration Language).

[0005] In case of a mobile communications system, when a transmitting side transmits a multimedia message, a SMIL document is also transmitted together with each item of multimedia data (audio, video, text, etc.) to a receiving side, and the receiving side performs a presentation by connecting the objects of each multimedia data according to what the SMIL document defines.

[0006] The SMIL (Synchronized Multimedia Integration Language) is a language defining a reproduction position and time of each media to allow XML (extensible Markup Language) based multimedia data (text, messages (bmp, jpg, png, gif, etc.), audio (wav, mp3, etc.), video (mpeg, etc.)), and the like to be temporally and spatially reproduced. The SMIL (pronounced as 'smile') has been developed by a group called the World Wide WEB Consortium (W3C).

[0007] A related art mobile communications system defines how to present a multimedia message according to the SMIL document, and corresponding international standards can be found in MMS Conformance Document.2 Candidate Version 19 Feb. 2004), chapter 5.2. Presenting contents in conformity with such international standards, the related art mobile terminal performs a different presentation to present even the same multimedia message depending on how the multimedia message has been encoded.

[0008] **FIG. 1** illustrates a method for presenting a Multipart.related type received by a mobile communication terminal, excerpted from international standards (MMS Conformance Document .2 Candidate Version 19 Feb. 2004), chapter 5.2).

[0009] As shown in **FIG. 1**, a multimedia message encoded as the Multipart.related type message includes the SMIL document and at least one or more slides. Each slide includes a maximum of two regions. When one slide has two regions, one is used for text and the other is used for an image or video.

[0010] When the Multipart.related type message is received, a receiving side mobile communications terminal connects the items (audio, video, text, etc.) of each multimedia data according to the definition of the SMIL document and performs the presentation.

[0011] However, in case of an enclosure (attachment) file received together with the Multipart.related type message, since the enclosure file does not include the SMIL document, it is shown to users only in a form of an enclosure list, and not presented in the form of slides, even though the enclosure file is a type of presentable media that allows slide presentation.

[0012] In addition, when the Multipart.mixed type multimedia message is received, because it does not include the SMIL document, the related art mobile communications terminal displays the Multipart.mixed type message only in the form of an enclosure (attachment) file.

[0013] Therefore, because the related art mobile terminal performs presentation by connecting items (objects) of multimedia data according to rules defined by the SMIL document, the problem arises in that a message, which is a presentable media but does not have the SMIL document, is only displayed as an enclosure list.

BRIEF DESCRIPTION OF THE INVENTION

[0014] Therefore, an object of the present invention is to provide a method for presenting a multimedia message capable of displaying a multimedia message in a slide form (i.e., a so-called "slide-show"), even if a SMIL document does not exist.

[0015] To achieve at least the above object in whole or in parts, there is provided a method for presenting a multimedia message including: receiving a multimedia message and checking whether a SMIL document is included in the received multimedia message; making a layout of the received message according to a rule set in a controller if the received message does not have the SMIL document; and presenting contents of the message according to the formed layout.

[0016] Preferably, the received multimedia message is a Multipart.mixed type message.

[0017] To achieve at least these advantages in whole or in parts, there is further provided a method for presenting a multimedia message including: receiving a multimedia message and making a layout of the received message according to what an SMIL document of the received message defines; checking whether the received message has an enclosure file; if the received message has an enclosure file, making a layout of the enclosure file according to a rule set in a controller and inserting it into a layout of the received message; and presenting contents of the message and the enclosure file according to the two formed layouts.

[0018] Preferably, the received multimedia message is a Multipart.related type message.

[0019] To achieve at least these advantages in whole or in parts, there is further provided a method for presenting a multimedia message including: determining a message type of a received multimedia message; making a defined layout according to the type of the message; and presenting contents of the received message according to the formed layout.

[0020] Preferably, the controller makes a first layout according to the rule set internally, if the type of the received message does not include a Synchronized Multimedia Integration Language document.

[0021] Preferably, the controller makes a second layout according to what the Synchronized Multimedia Integration